

10/030,928

=> file caplus

FILE 'CAPLUS' ENTERED AT 10:59:57 ON 26 SEP 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 26 Sep 2002 VOL 137 ISS 13

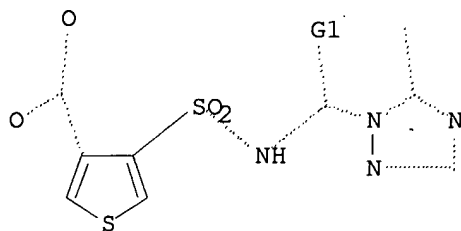
FILE LAST UPDATED: 25 Sep 2002 (20020925/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> d que

L6 STR



Structure attributes must be viewed using STN Express query preparation.

L7 12 SEA FILE=REGISTRY SSS FUL L6

L8 1 SEA FILE=CAPLUS L7

=> d l8 ibib abs hitstr

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2001:45042 CAPLUS

DOCUMENT NUMBER: 134:86263

TITLE: Preparation of thien-3-ylsulfonylamino(thio)carbonyltriazolin(thi)ones as herbicides.

INVENTOR(S): Gesing, Ernst R. F.; Kluth, Joachim; Mueller, Klaus-Helmut; Drewes, Mark Wilhelm; Dahmen, Peter; Feucht, Dieter; Pontzen, Rolf

PATENT ASSIGNEE(S): Bayer A.-G., Germany

SOURCE: Ger. Offen., 22 pp.

CODEN: GWXXBX

DOCUMENT TYPE:

Patent

LANGUAGE:

German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19933260	A1	20010118	DE 1999-19933260	19990715
WO 2001005788	A1	20010125	WO 2000-EP6276	20000704
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
BR 2000012482	A	20020402	BR 2000-12482	20000704
EP 1200426	A1	20020502	EP 2000-947925	20000704
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				

PRIORITY APPLN. INFO.:

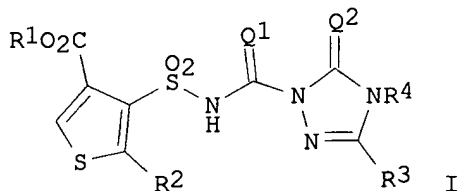
DE 1999-19933260 A 19990715

WO 2000-EP6276 W 20000704

OTHER SOURCE(S):

MARPAT 134:86263

GI



AB Title compds. [I; Q1, Q2 = O, S; R1 = (substituted) alkyl, alkenyl, cycloalkyl, aryl, etc.; R2 = H, cyano, NO2, halo, (substituted) alkyl, alkoxy, alkoxy carbonyl, alkylthio, etc.; R3 = H, cyano, OH, SH, amino, cyano, halo, (substituted) alkyl, alkenyl, alkynyl, alkoxy, alkylthio, etc.; R4 = H, OH, amino, cyano, alkylidenamino, (substituted) alkyl, alkenyl, alkynyl, alkoxy, etc.; or R3R4 = (branched) alkanediyl], and salts thereof, were prepd. as herbicides (no data). Thus, 5-ethoxy-4-methyl-2-phenoxycarbonyl-2,4-dihydro-3H-1,2,4-triazol-3-one in MeCN was treated portionwise with 4-methoxycarbonyl-2-methylthiophenyl-3-sulfonamide (prepn. given) and DBU followed by 12 h stirring to give 60% I [Q1 = Q2 = O, S; R1 = R2 = R4 = Me; R3 = Et]. I were said to show very strong herbicidal activity combined with good crop tolerance.

IT 317815-82-0P 317815-83-1P 317815-84-2P

317815-85-3P 317815-86-4P 317815-87-5P

317815-88-6P 317815-89-7P 317815-90-0P

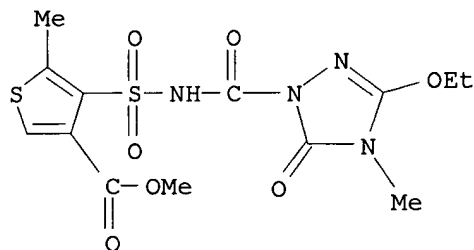
317815-91-1P 317815-92-2P 317815-93-3P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of thien-3-ylsulfonylamino(thio)carbonyl triazolin(thione)s as herbicides)

RN 317815-82-0 CAPLUS

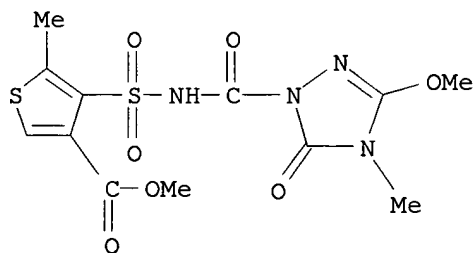
10/030,928

CN 3-Thiophenecarboxylic acid, 4-[[[(3-ethoxy-4,5-dihydro-4-methyl-5-oxo-1H-1,2,4-triazol-1-yl)carbonyl]amino]sulfonyl]-5-methyl-, methyl ester (9CI)  
(CA INDEX NAME)



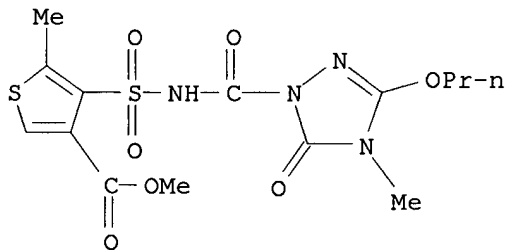
RN 317815-83-1 CAPLUS

CN 3-Thiophenecarboxylic acid, 4-[[[(4,5-dihydro-3-methoxy-4-methyl-5-oxo-1H-1,2,4-triazol-1-yl)carbonyl]amino]sulfonyl]-5-methyl-, methyl ester (9CI)  
(CA INDEX NAME)



RN 317815-84-2 CAPLUS

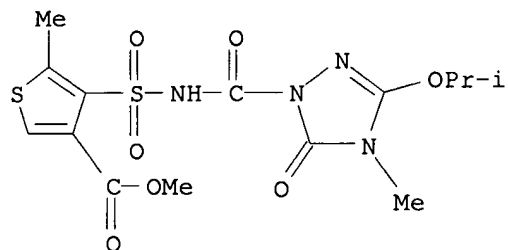
CN 3-Thiophenecarboxylic acid, 4-[[[(4,5-dihydro-4-methyl-5-oxo-3-propoxy-1H-1,2,4-triazol-1-yl)carbonyl]amino]sulfonyl]-5-methyl-, methyl ester (9CI)  
(CA INDEX NAME)



RN 317815-85-3 CAPLUS

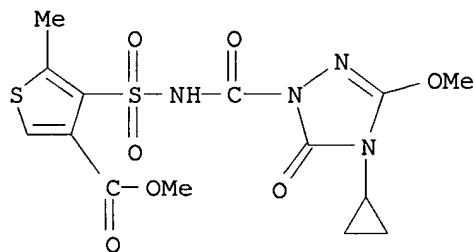
CN 3-Thiophenecarboxylic acid, 4-[[[[4,5-dihydro-4-methyl-3-(1-methylethoxy)-5-oxo-1H-1,2,4-triazol-1-yl]carbonyl]amino]sulfonyl]-5-methyl-, methyl ester (9CI) (CA INDEX NAME)

10/030,928



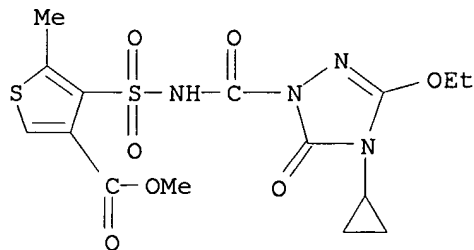
RN 317815-86-4 CAPLUS

CN 3-Thiophenecarboxylic acid, 4-[[[(4-cyclopropyl-4,5-dihydro-3-methoxy-5-oxo-1H-1,2,4-triazol-1-yl)carbonyl]amino]sulfonyl]-5-methyl-, methyl ester (9CI) (CA INDEX NAME)



RN 317815-87-5 CAPLUS

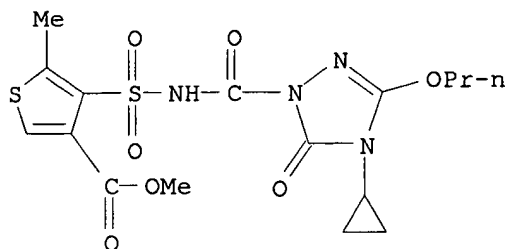
CN 3-Thiophenecarboxylic acid, 4-[[[(4-cyclopropyl-3-ethoxy-4,5-dihydro-5-oxo-1H-1,2,4-triazol-1-yl)carbonyl]amino]sulfonyl]-5-methyl-, methyl ester (9CI) (CA INDEX NAME)



RN 317815-88-6 CAPLUS

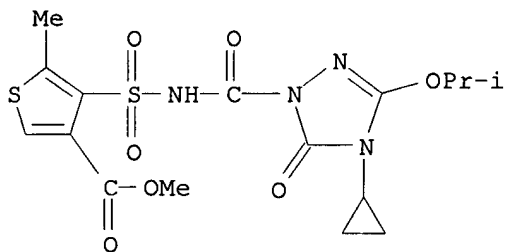
CN 3-Thiophenecarboxylic acid, 4-[[[(4-cyclopropyl-4,5-dihydro-5-oxo-3-propoxy-1H-1,2,4-triazol-1-yl)carbonyl]amino]sulfonyl]-5-methyl-, methyl ester (9CI) (CA INDEX NAME)

10/030,928



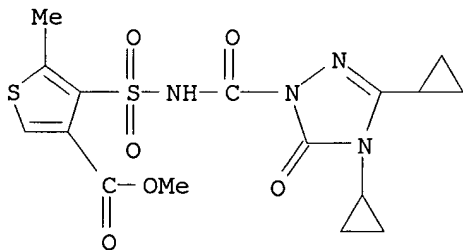
RN 317815-89-7 CAPLUS

CN 3-Thiophenecarboxylic acid, 4-[[[4-cyclopropyl-4,5-dihydro-3-(1-methylethoxy)-5-oxo-1H-1,2,4-triazol-1-yl]carbonyl]amino]sulfonyl]-5-methyl-, methyl ester (9CI) (CA INDEX NAME)



RN 317815-90-0 CAPLUS

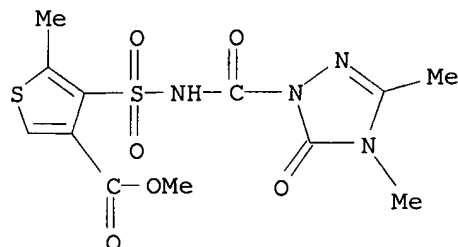
CN 3-Thiophenecarboxylic acid, 4-[[[3,4-dicyclopropyl-4,5-dihydro-5-oxo-1H-1,2,4-triazol-1-yl]carbonyl]amino]sulfonyl]-5-methyl-, methyl ester (9CI) (CA INDEX NAME)



RN 317815-91-1 CAPLUS

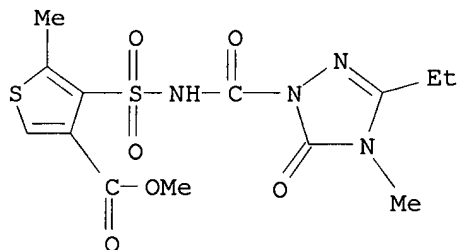
CN 3-Thiophenecarboxylic acid, 4-[[[4,5-dihydro-3,4-dimethyl-5-oxo-1H-1,2,4-triazol-1-yl]carbonyl]amino]sulfonyl]-5-methyl-, methyl ester (9CI) (CA INDEX NAME)

10/030,928



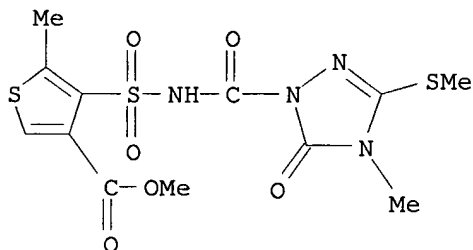
RN 317815-92-2 CAPLUS

CN 3-Thiophenecarboxylic acid, 4-[[[(3-ethyl-4,5-dihydro-4-methyl-5-oxo-1H-1,2,4-triazol-1-yl)carbonyl]amino]sulfonyl]-5-methyl-, methyl ester (9CI)  
(CA INDEX NAME)



RN 317815-93-3 CAPLUS

CN 3-Thiophenecarboxylic acid, 4-[[[[(4,5-dihydro-4-methyl-3-(methylthio)-5-oxo-1H-1,2,4-triazol-1-yl)carbonyl]amino]sulfonyl]-5-methyl-, methyl ester (9CI) (CA INDEX NAME)



=> file uspatall

FILE 'USPATFULL' ENTERED AT 11:00:47 ON 26 SEP 2002

CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 11:00:47 ON 26 SEP 2002

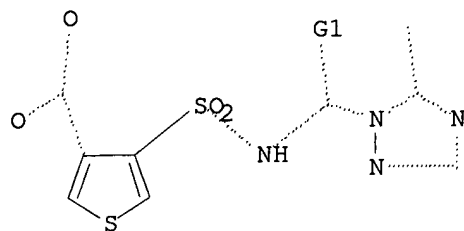
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

=> d que

L6

STR

10/030,928



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

L7 12 SEA FILE=REGISTRY SSS FUL L6

L9 0 SEA L7